

09/830993

1 / 14

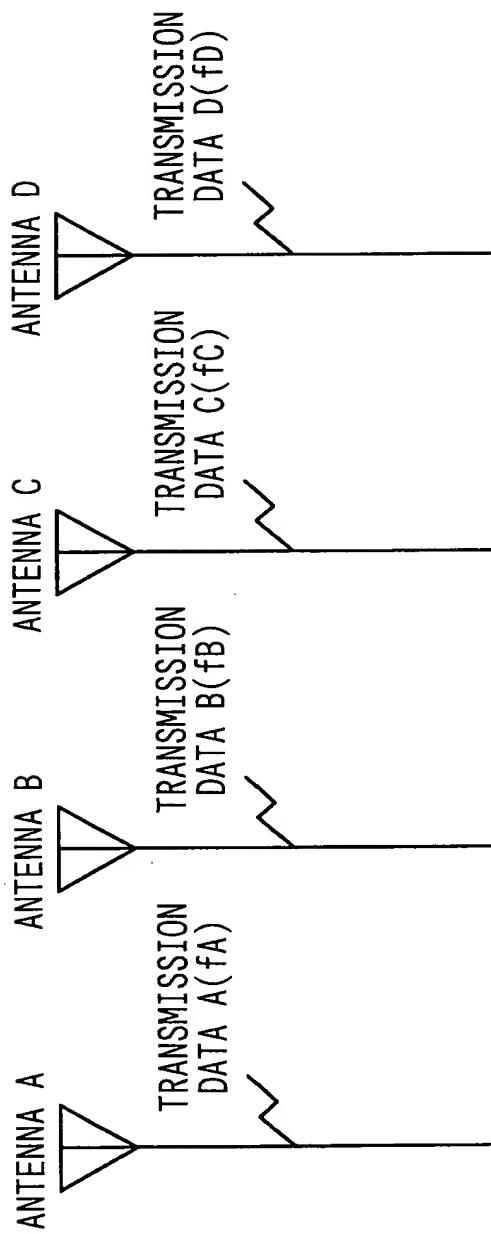


FIG. 1

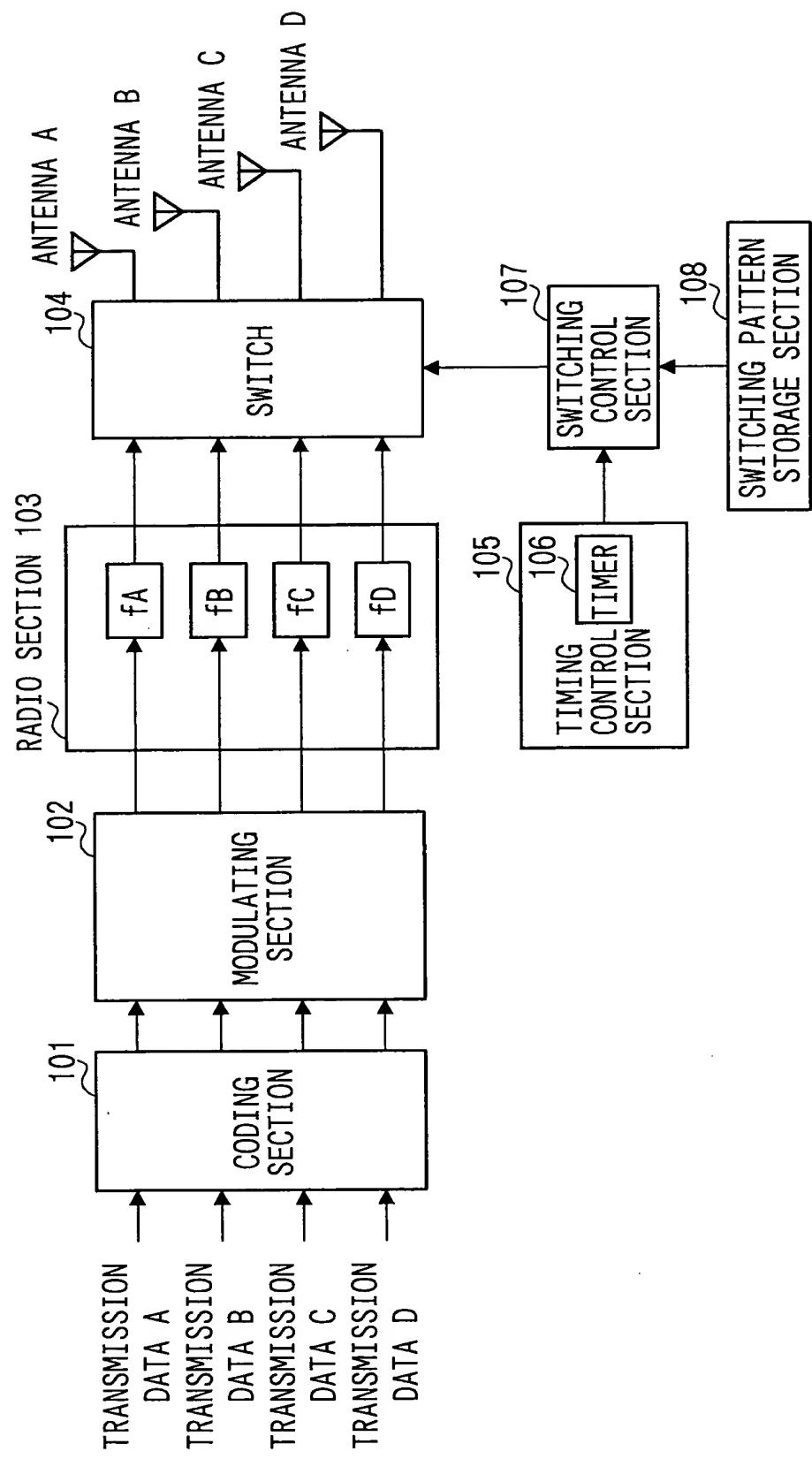


FIG. 2

09/830993

3 / 1 4

## SWITCHING PATTERN

	ANTENNA A	ANTENNA B	ANTENNA C	ANTENNA D
PATTERN 1	fA	fB	fC	fD
PATTERN 2	fD	fA	fB	fC
PATTERN 3	fC	fD	fA	fB
PATTERN 4	fB	fC	fD	fA

FIG. 3

4 / 1 4

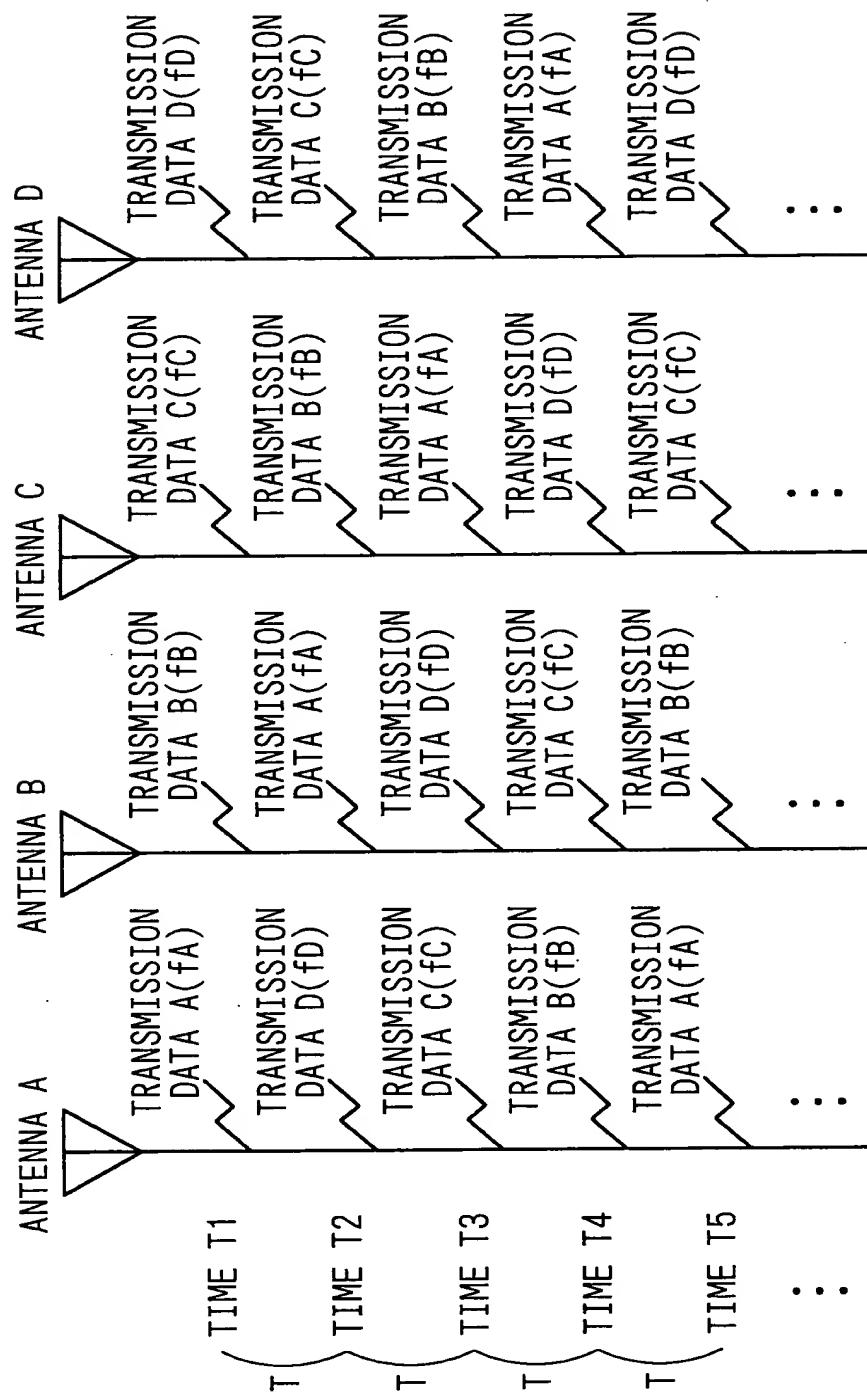


FIG. 4

09/830993

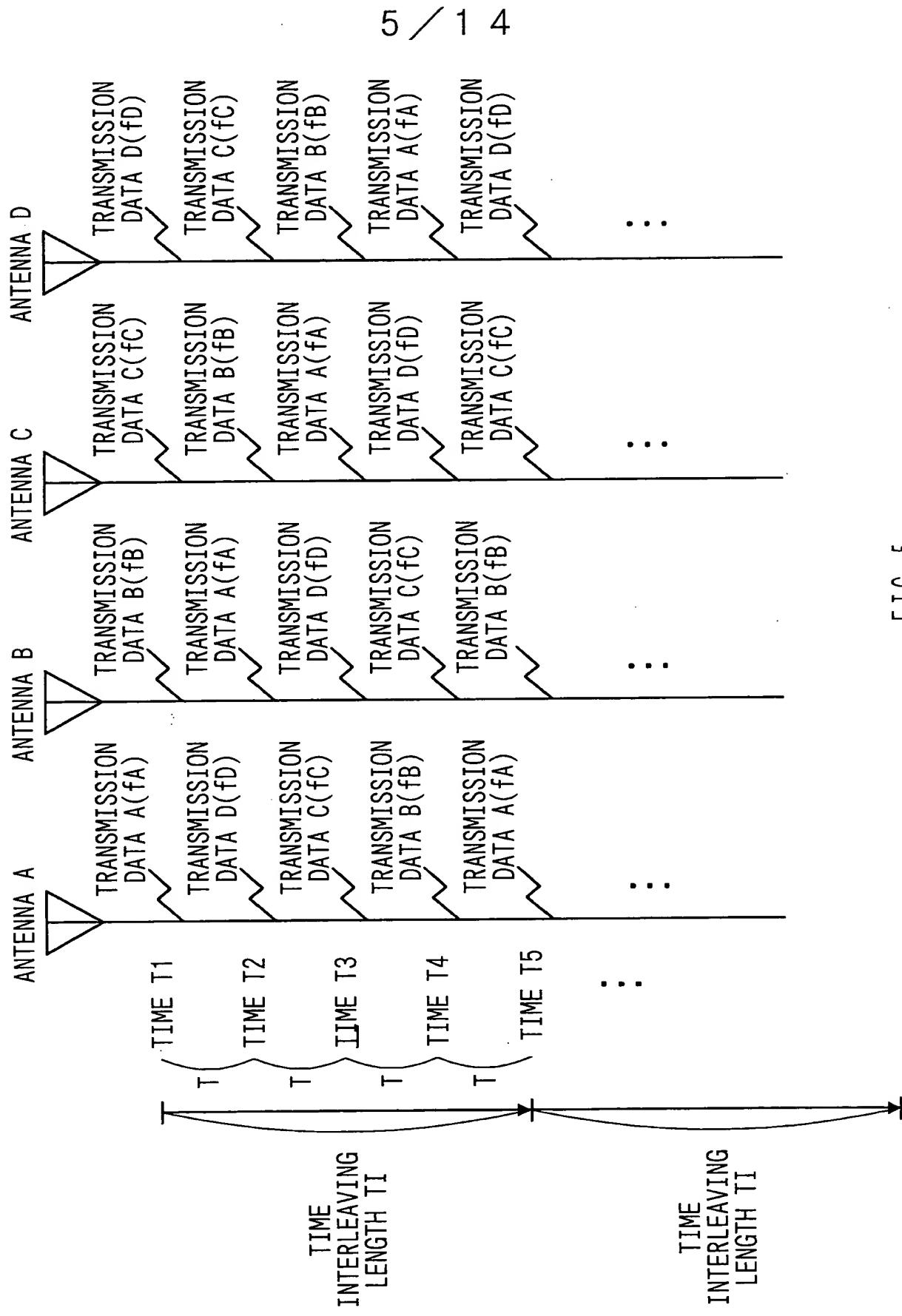


FIG. 5

09/830993

6 / 1 4

SWITCHING PATTERN

	ANTENNA A	ANTENNA B	ANTENNA C	ANTENNA D
PATTERN 1	fA	fB	fC	fD
PATTERN 2	fD	fC	fB	fA

FIG. 6

7 / 14

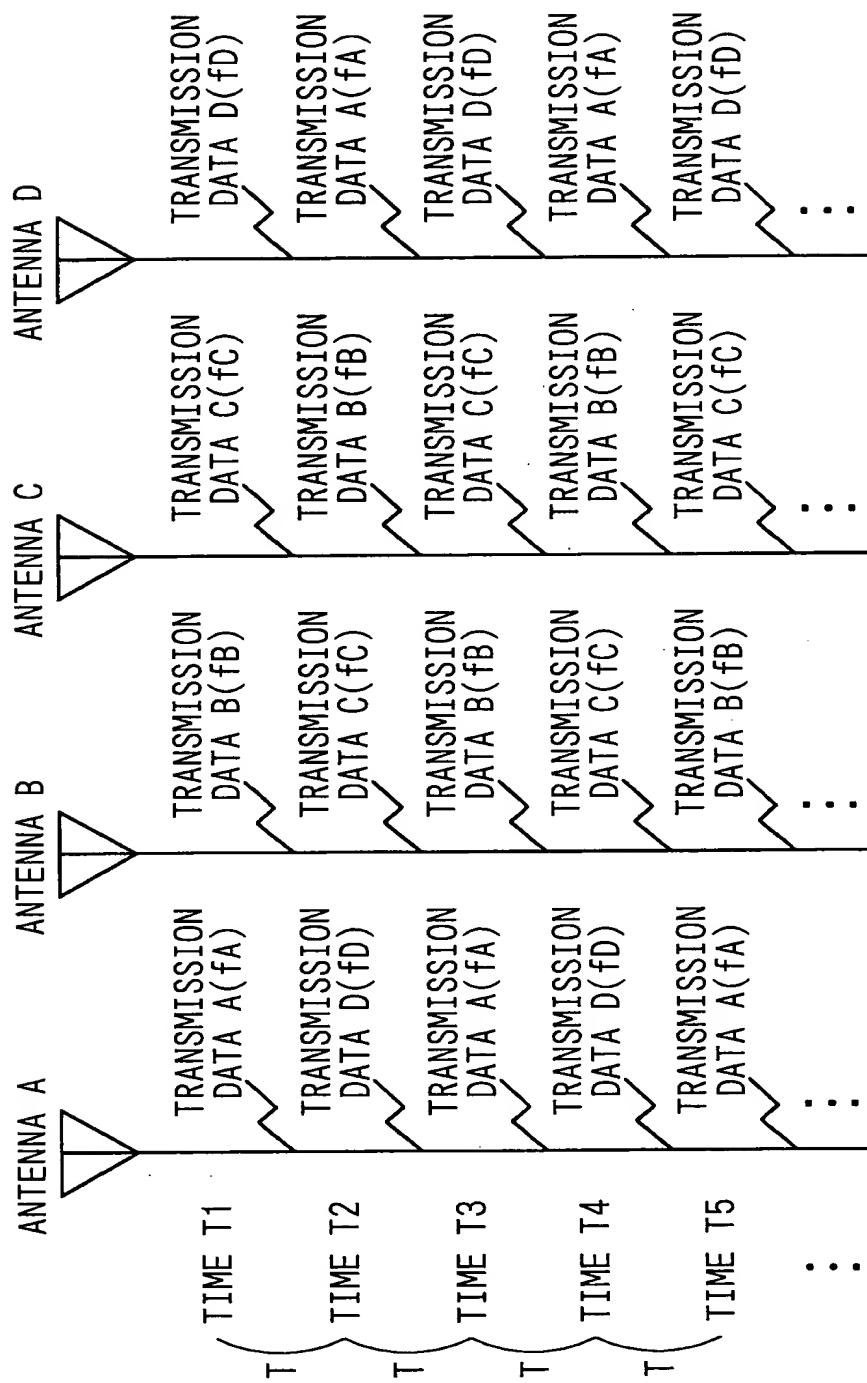


FIG. 7

8 / 14

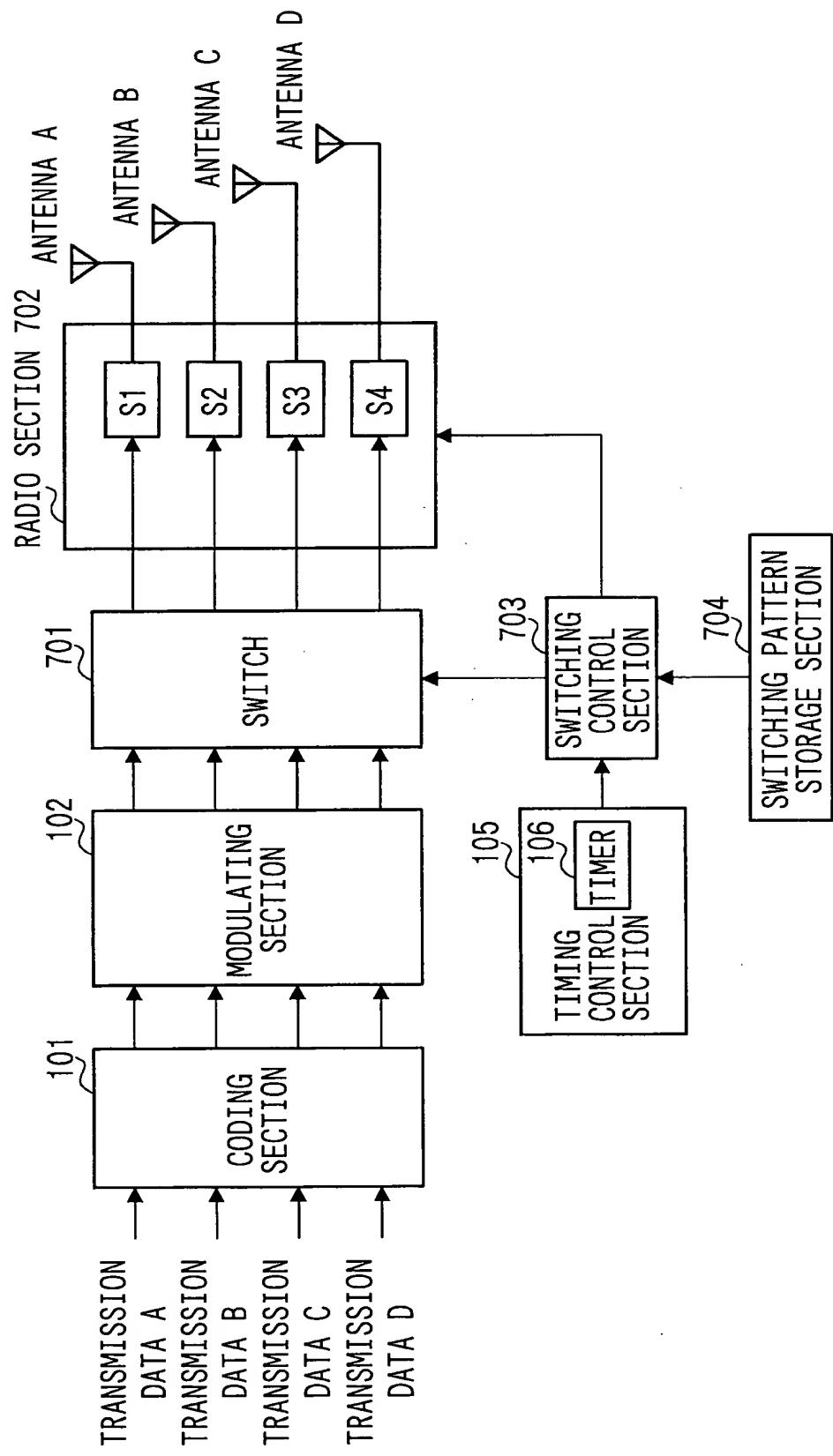


FIG. 8

9 / 1 4

## SWITCHING PATTERN

	S1	S2	S3	S4
PATTERN 1	TRANSMISSION DATA A	TRANSMISSION DATA B	TRANSMISSION DATA C	TRANSMISSION DATA D
PATTERN 2	TRANSMISSION DATA D	TRANSMISSION DATA A	TRANSMISSION DATA B	TRANSMISSION DATA C
PATTERN 3	TRANSMISSION DATA C	TRANSMISSION DATA D	TRANSMISSION DATA A	TRANSMISSION DATA B
PATTERN 4	TRANSMISSION DATA B	TRANSMISSION DATA C	TRANSMISSION DATA D	TRANSMISSION DATA A

FIG. 9

10 / 14

## SYNTHESIZER FREQUENCY SWITCHING TIMING

	S1	S2	S3	S4
T1	fA	fB	fC	fD
T2	fD	fA	fB	fC
T3	fC	fD	fA	fB
T4	fB	fC	fD	fA
T5	fA	fB	fC	fD
				⋮

FIG. 10

11 / 14

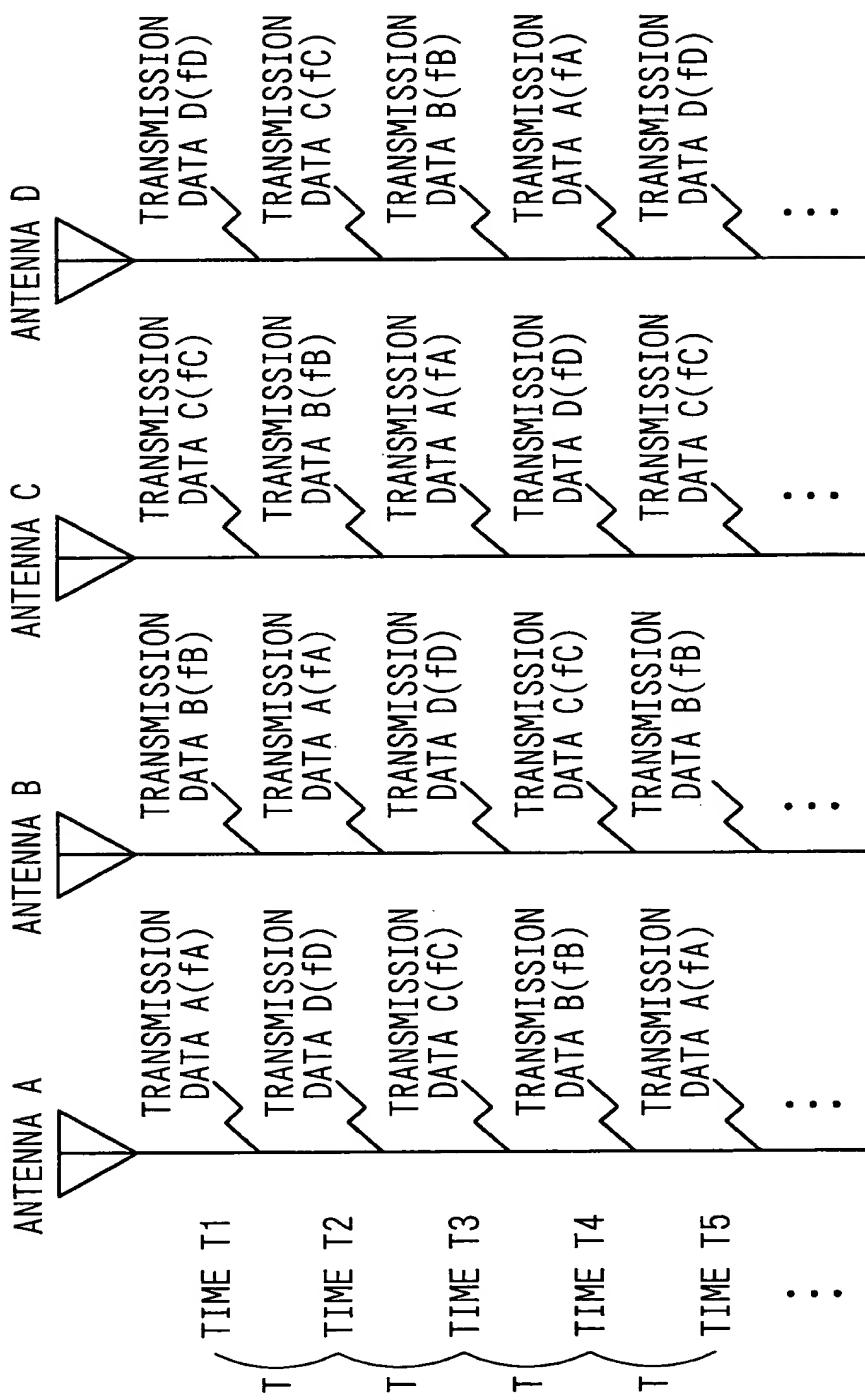


FIG. 11

12 / 14

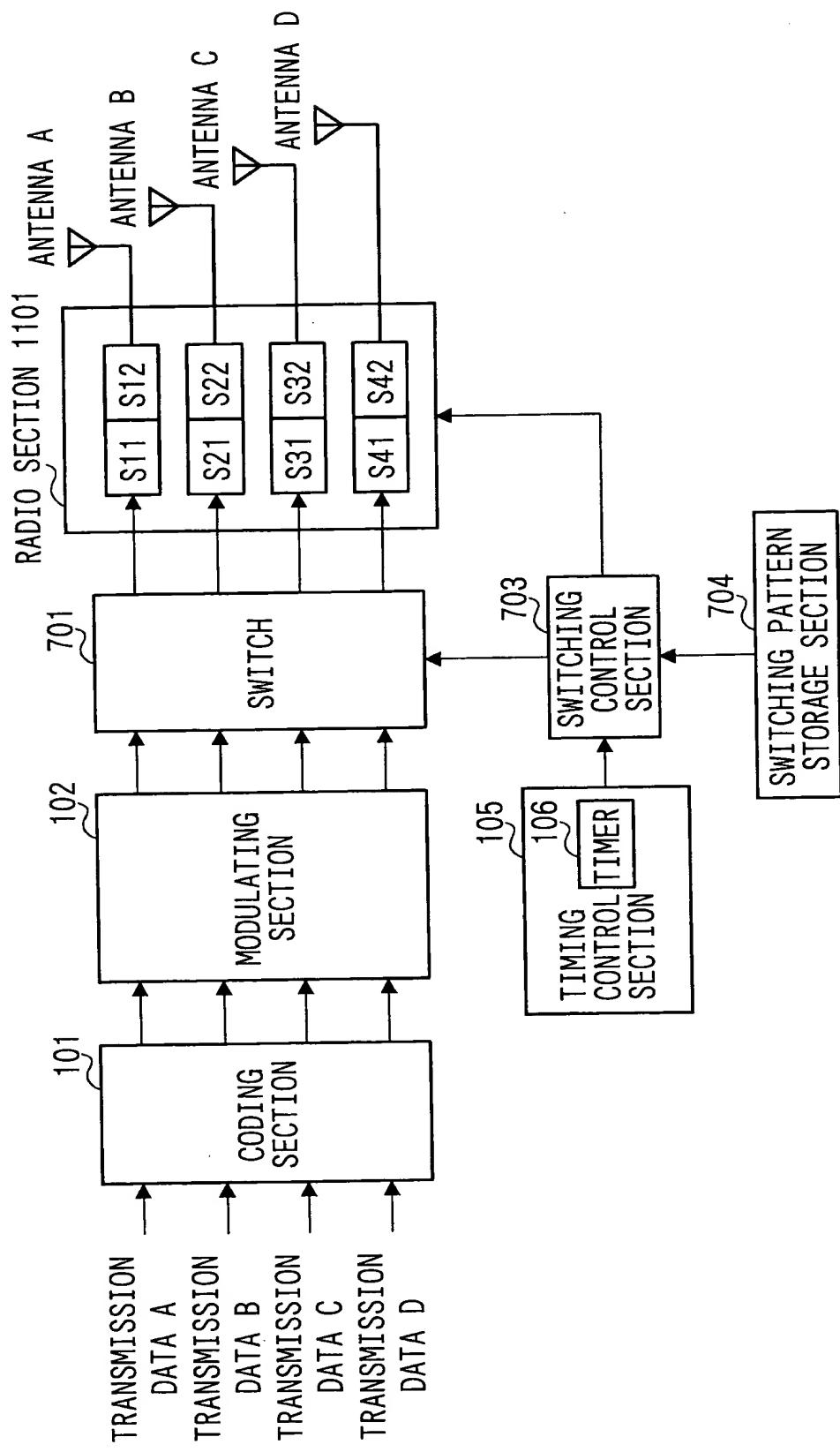


FIG. 12

13 / 14

## SYNTHESIZER FREQUENCY SWITCHING TIMING

ANTENNA A		ANTENNA B		ANTENNA C		ANTENNA D	
S11	S12	S21	S22	S31	S32	S41	S42
T1	fA FREQUENCY SWITCHING	fB FREQUENCY SWITCHING	fC FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fB FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fC FREQUENCY SWITCHING
T2	fB FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fA FREQUENCY SWITCHING	fC FREQUENCY SWITCHING	fA FREQUENCY SWITCHING	fB FREQUENCY SWITCHING	fC FREQUENCY SWITCHING
T3	fC FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fB FREQUENCY SWITCHING	fC FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fA FREQUENCY SWITCHING
T4	fD FREQUENCY SWITCHING	fB FREQUENCY SWITCHING	fC FREQUENCY SWITCHING	fC FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fA FREQUENCY SWITCHING
T5	fA FREQUENCY SWITCHING	fB FREQUENCY SWITCHING	fB FREQUENCY SWITCHING	fC FREQUENCY SWITCHING	fC FREQUENCY SWITCHING	fD FREQUENCY SWITCHING	fC FREQUENCY SWITCHING

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FIG. 13

1 4 / 1 4

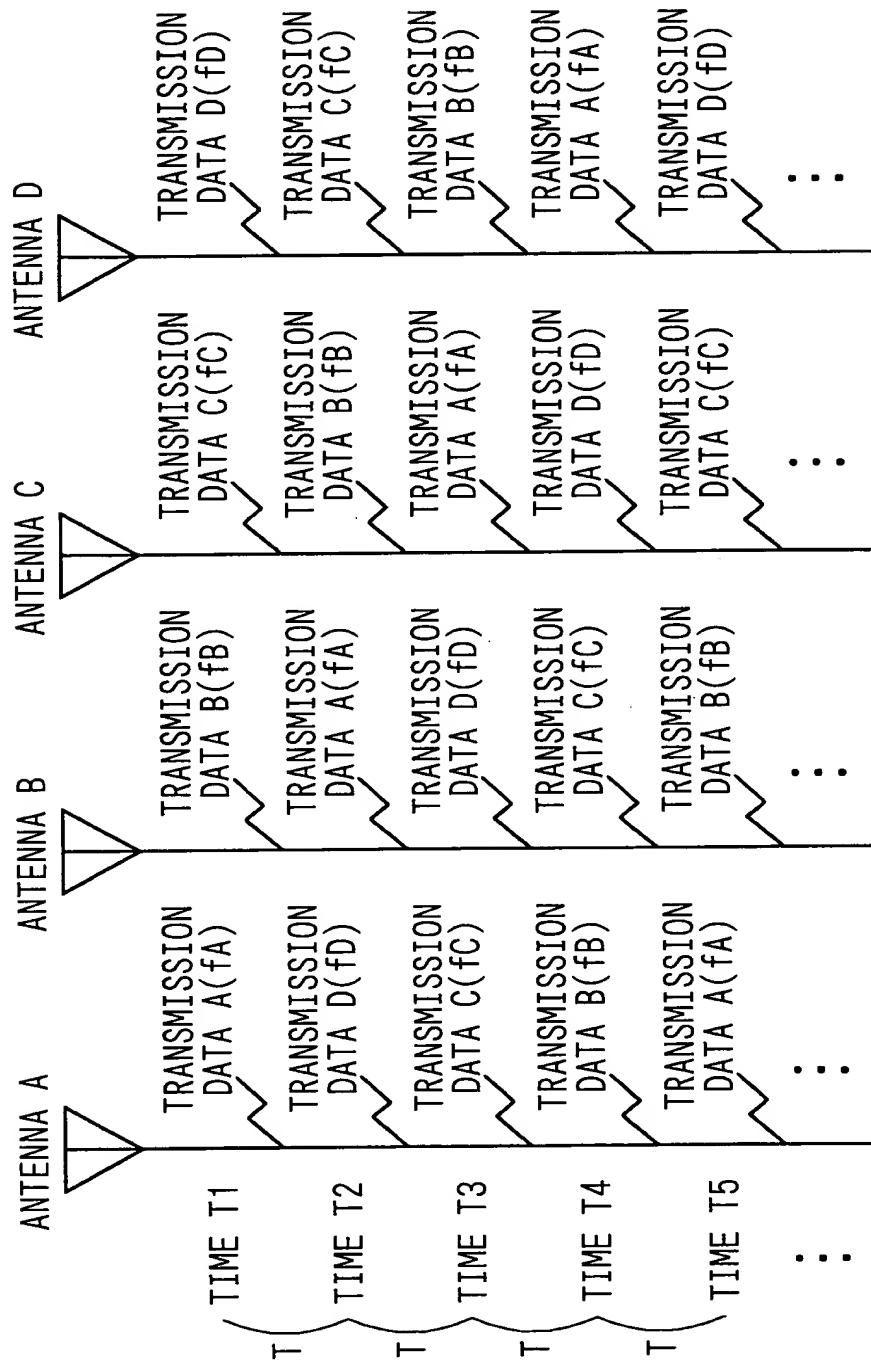


FIG. 14